

REMARKS

Claims 1-21 and 23 are pending in the present application. Claim 22 has been cancelled and claim 23 has been added.

Entry of the above amendments is earnestly solicited. An early and favorable first action on the merits is earnestly requested.

Should there be any matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE."

Respectfully submitted,

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Attachments

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE ABSTRACT OF THE DISCLOSURE:

The Abstract of the Disclosure has been amended as follows:

SET OF ELEMENTS FOR ASSEMBLYING STRUCTURES

ABSTRACT

The invention relates to a set of elements for assembling complex structures, the set comprising a plurality of first magnetic bar elements, having a first length, a plurality of ferromagnetic elements, and a plurality of second magnetic bar elements, having a second length. SaidThe two lengths and the dimension of saidthe ferromagnetic elements are such to allow the assembling of complex structures, e.g. classic crystallographic structure.

IN THE CLAIMS:

The claims have been amended as follows:

3. (amended) Set of elements according to claim 1-~~or~~
2, characterised in that the ferromagnetic elements have a spherical shape.

4. (amended) Set of elements according to ~~one of the~~
~~preceding claims, claim 1,~~ characterised in that said second length of the second bar elements corresponds to the length of the diagonal of the square comprised of four first bar elements

as sides, coupled each other in correspondence of the corners of the square by four electromagnetic elements.

5. (amended) Set of elements according to ~~one of the preceding claims 1—3, claim 1,~~ characterised in that said second length of the second bar elements corresponds to a integral fraction of the length of the diagonal of the square comprised of four first bar elements as sides, coupled each other in correspondence of the corners of the square by four electromagnetic elements.

9. (amended) Set of elements according to ~~one of the preceding claims 1—claim 3,~~ characterised in that said second length of the second bar elements is the half (1/2) of the diagonal of the square comprised of four first bar elements as sides, coupled each other in correspondence of the corners of the square by four electromagnetic elements, minus one of the main dimensions of said ferromagnetic element.

10. (amended) Set of elements according to claim 9—~~when depending on claim 3,~~ characterised in that said main dimension is the diameter of the sphere.

11. (amended) Set of elements according to claim 9—or 10, characterised in that said ferromagnetic elements are used

both as vertex of the complex figures and as coupling elements for said second bar elements provided along said diagonals.

12. (amended) Set of elements according to ~~one of the preceding claims 9 - 11, claim 9,~~ characterised in that said ferromagnetic elements are used both as vertex of the complex figures and as coupling elements of at least two of said second bar elements, in such a way to couple with the same second bar elements at the centre of complex figures.

14. (amended) Set of elements according to ~~one of the preceding claims, claim 1,~~ characterised in that it provides second ferromagnetic elements having dimensions different with respect to those of the first ferromagnetic elements.

16. (amended) Set of elements according to claim 14-~~or 15~~, characterised in that said second ferromagnetic elements are used as coupling elements provided in such a way to couple at the centre of complex figures.

17. (amended) Set of elements according to ~~one of the preceding claims, claim 1,~~ characterised in that said first bar elements have an octagonal cross-section.

18. (amended) Set of elements according to ~~one of the preceding claims, claim 1,~~ characterised in that said second bar elements have an octagonal cross-section..

19. (amended) Set of elements according to ~~one of the preceding claims, claim 1,~~ characterised in that said first bar elements and/or said second bar elements have an outer cover, said cover does not cover the basis of the bar element.

20. (amended) Set of elements according to ~~one of the preceding claims 1-18, claim 1,~~ characterised in that said first bar elements and/or said second bar elements can have an outer cover that can partially or completely include the basis, said cover being preferably comprised of plastic material.

21. (amended) Set of elements according to claim 19-~~or 20,~~ characterised in that, the ferromagnetic elements are comprised of steel.

SET OF ELEMENTS FOR ASSEMBLYING STRUCTURES

ABSTRACT

The invention relates to a set of elements for assembling complex structures, the set comprising a plurality of first magnetic bar elements, having a first length, a plurality of ferromagnetic elements, and a plurality of second magnetic bar elements, having a second length. The two lengths and the dimension of the ferromagnetic elements are such to allow the assembling of complex structures, e.g. classic crystallographic structure.